

Operation Instructions

Safety Beam Sensor



1 Safety Instruction

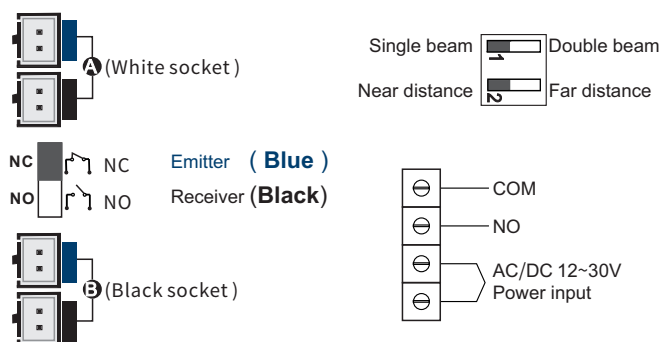
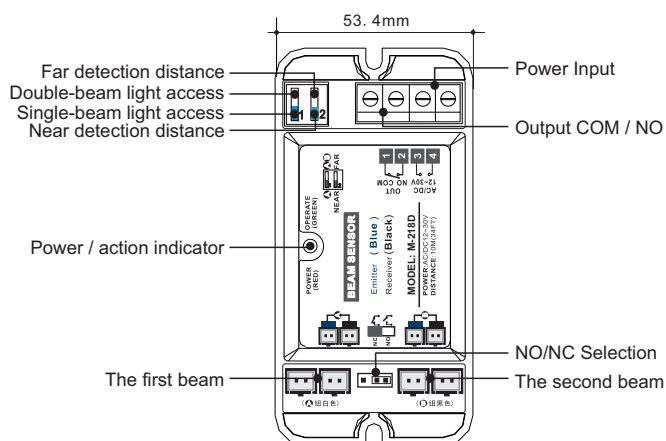


Thanks for your purchasing, please refer to the following before using.

2 Overall Characteristics

- Adopt the color corresponding plug-in socket, simple wiring, convenient and accurate.
- Adopt microcomputer control technology, high system integration and strong stability.
- The international universal optical lens design, good focusing and reasonable controlled angle, easy to install.
- Adopt German receiving filter, decoding and amplification system to effectively solve the problem of anti-natural sunlight interference.
- Transmitting head adopt low consumption high pulse transmitting technology, far transmitting distance, long service life.
- It has a design for connecting and outputting single or double groups of transmitting and receiving lenses respectively, and the connection is good in shielding. It can control single light beam, or control dual light beams.
- When the light is blocked, the output can be flexible choice of normally open or normally closed contact signal.
- Wide voltage input design, AC/DC 12-36V power input.
- With receiving head short connection fault alarm function.

3 Overview



**Note: Transmitting electric eye(Blue cable),
Receiving electric eye(Black cable).**

4 Precautions

- 1.Single Beam must be connected into Group A (White Socket). Double beam must be connected into Group AB (Both White and Black Socket)
- When fixing the electric eyes, the installation holes should be $\varnothing 13\text{mm}$.
- Installation height of single light beams is 60cm from the ground; Installation height of double light beams, one sets beams should be 30cm from the ground, the second sets beams should be 90cm from the ground.
- The receiving and transmitting electric eyes, have a certain detection range, but it must be aligned during installation to ensure the consistency of the horizontal and vertical directions.
- Between the receiving and transmitting electric eyes, keep away from the bonsai or other objects to avoid error action.
- This system has high anti-interference ability, but should avoid direct sunlight to the electric eye when installing.
- Please make sure the installation height should be at least 20 cm from the ground.

5 Technical parameters

Power supply: AC/DC 12-30V	Receiving cable length: 5.5 meters (black)
Static current: 18mA	Beam light: Single beam / double beam light
Action current: 58mA	Working temperature: -42°C~45°C
Max matched distance: 10 meters	Working humidity: 10-90%RH
Output connect: NO/NC selection by dial switch	Dimension (main controller): 105.5(L)×53.4(W)×28.5(H)mm
Transmitting cable length: 5.5 meters (blue)	Dimension (Electric eye): 19(L)×13(D)mm